AUTHOR INDEX VOLUME 13 (1990)

Adair, C.G., 310
Adjei, A., 322
Akelah, A., 1
Albrecht, E., 309
Aliverti, V., 319
Amidon, G.L., 141
Andreasson, A., 313
Aoyagi, T., 63
Aprahamian, M., 233
Aso, Y., 83

Baamonde, A., 147
Beglinger, Ch., 315
Beld, C.M.B. van den, 129,307
Benedetti, L.M., 33
Bengtsson, H.-I., 308
Berger, H., 309
Boddé, H.E., 73,225,316
Boer, A.G. de, 175,251,311,317
Boppana, V.K., 121
Bouwstra, J.A., 51,311,312,325
Bree, J.B.M.M. van, 175
Breimer, D.D., 175,241,317

Chang, A.C., 295
Chiellini, E., 1
Chien, Y.W., 263
Cogburn, J.N., 314
Corringer, P.-J., 147
Couvreur, P., 233
Cremaschi, D., 319

Damgé, C., 233
Danhof, M., 175
Davis, S.S., 253
de Vries, M.E., 225
de Boer, A.G., 175,241,311,317
de Vries, M.E., 316
Dean, K., 323
Delay-Goyet, P., 147
Deurloo, M.J.M., 320
Devissaguet, J.P., 233
Dong, L.-C., 21
Donovan, M.G., 314
Doyle, R., 322
Draghetti, M.T., 319
Dressman, J.B., 83
Drewe, J., 315
Durieux, G., 147

Eschbach, J., 325

Farraj, N.F., 253
Fechner, K., 309
Folkesson, H.G., 323
Friedman, D.I., 141
Furr, B.J.A., 279
Fuwa, T., 309,310

Gacel, G., 147
Gispen, W.H., 193
Greef, J. van der, 129,307
Grodsky, G.M., 295
Groves, M.J., 43

Hal, D.A. van, 312
Hanano, M., 157,309
Heijligers-Feijen, C.D., 241
Heinrich, N., 309
Heller, J., 11,295
Hermens, W.A.J.J., 320
Hoffman, A.S., 21
Hofland, H.E.J., 325
Hoogdalem, E.J. van, 241,317
Hori, N., 316
Hornung, K., 315
Hutchinson, F.G., 279

Iga, T., 157,309
Illum, L., 253, 318
Issa, R., 1

Jardine, I., 305
Jeyanthi, R., 91
Johansen, B.R., 253
Johnson, R., 322
Jousma, H., 73
Juhasz, J., 321
Junginger, H.E.,
51,73,225,311,312,316,325,

Kertscher, U., 309
Kim, D.C., 157
Kishida, A., 83
Kissel, T., 315
Kiyohara, Y., 310
Komada, F., 310
Kreis, W., 325

Lee, V.H.L., 213
Lehr, C.-M., 51,311,312
Lelawongs, P., 263
Lenaerts, V., 321
Lewis, J.R.E., 306
Lorenz, D., 309
Lundin, S., 308,323

Maa, Y.F., 11
Maarel, J.R.C. van der, 73

Manzoni, C., 319
Matsui, K., 63
Matsumoto, M., 316
Matsumoto, Y., 316
Mehlis, B., 309
Merkus, F.W.H.M., 320
Meyer, B.R., 325
Michel, C., 233
Minhas, P.S., 318
Mishima, Y., 310
Morley, J.S., 306
Munzer, J., 315

Nagase, Y., 63

O'Mara, V., 325
Okumura, K., 310
Ong, H., 321

Panduranga Rao, K., 91
Payne, A.N., 323
Pontiroli, A.E., 247

Rehab, A., 1
Reinhardt, J., 315
Reinhoud, N.J., 129
Rhodes, G.R., 121
Richardson, J.L., 318
Rodd, G., 295
Romeijn, S.G., 320
Roques, B.P., 147
Rosen, S., 325
Rossetti, C., 319
Rubenfield, M.J., 121
Ruiz-Gayo, M., 147

Sato, H., 157,309
Satoh, H., 157
Sawada, Y., 309
Schasteen, C.S., 314
Schipper, N.G.M., 320
Schneider, C., 323
Shankland, K., 312
Shi, W.M., 263

Sibalis, D., 325
Siddiqui, O., 263
Smith, G., 305
Solaro, R., 1
Stegehuis, D.S., 129,307
Stella, V.J., 33
Sugiyama, Y., 157,309
Sun, Y., 263
Suzuki, N., 63

Takeda, Y., 83
Teng, C.D., 43
Terashima, O., 63
Thomas, N.W., 318
Tiemessen, H.L.G.M., 73
Tjaden, U.R., 129,307
Topp, E.M., 33
Tukker, J.J., 51,310,311

Ungell, A.-L., 313

Vadnere, M., 322
van den Beld, C.M.B., 129,307
van der Greef, J., 129,307
van Hal, D.A., 312
van Hoogdalem, E.J., 241,317
van der Maarel, J.R.C., 73
van Bree, J.B.M.M., 175
Venn, R.F., 113,306
Verhoef, J., 175,241,311,316,320,325
Vermeij-Keers, C., 317
Vonderscher, J., 315
Vries, M.E. de, 316

Watanabe, Y., 316
Weström, B.R., 323
Whateley, T.L., 312
Wiegant, V.M., 203
Wilson, G., 305

Yanai, S., 157
Yoshioka, S., 83

Zlokovic, B.V., 185

SUBJECT INDEX VOLUME 13 (1990)

absorption, 241
absorption kinetics, 141
ACE inhibitors, 141
ACTH/MSH peptides, 203
albuminoid protein, 43
analytical methodology, 113

benzalkonium chloride, 63
bioadhesion, 51
bioadhesive microspheres, 253
bioanalysis of peptides, 113
biodegradable polymers, 279
blood–brain barrier, 147,175,185
brain, 185
buccal delivery, 225

calcitonin, 247
carrier-mediated transport, 141
chemotherapeutic agents, 91
cholecystokinin, 147
collagen, 91
controlled release of herbicides, 1
controlled drug release, 11
controlled drug delivery, 21
copolymer hydrogels, 225

diabetes, 295
differential thermal analysis, 73
down regulation, 157
drug loading, 83
drug lipophilicity, 83
drug carrier, 233

β-endorphin fragments, 129
enchancers, 241
epidermal growth factor, 157
etoposide, 83
evaporation rate, 83

fluorescence, 121
5-fluorouracil, 11,63
GI transit, 51
glucagon, 247
glucose oxidase, 295

HPLC 113, 121
hyaluronic acid esters, 33
hydrocortisone, 33
hydrogels, 1

implants, 11
in vitro shear test, 225
in vitro, in vivo experimental techniques, 175
in vitro drug release, 33
in vivo analysis, 185
in situ model, 51
inhibitors, 241
insulin, 233,263,305
intestinal absorption, 233
intranasal peptides, 247
iontophoresis-facillitated delivery, 263
iontophoretic delivery devices, 263

β-lactams, 141
laser induced fluorescence detection, 129
liquid crystalline phases, 73
lysophosphatidylcholine, 253

matrices, 43
metabolism, 147
microspheres, 33, 51,83
microwave thermal denaturation, 43
mucoadhesive polymers, 225

nanocapsules, 233
nasal delivery, 253
nerve regeneration, 203
neuropeptides, 113
non-invasive peptide delivery, 263
non-ionic surfactants, 73

^{17}O NMR, 73
opioid, 147
oral administration, 233
oral bioavailability of peptide drugs, 141

paracellular pathway, 213
penetration enhancers, 63,213
peptidase inhibitors, 213
peptide transport, 175
peptide dosage forms, 203
peptide blood levels, 203
peptide delivery systems, 213
peptides, 121,185,241
permeability, 185
physiological pharmacokinetic model, 157
poly(HEMA) hydrogels, 91
poly(L)lactic acid, 83
poly(*N*-isopropylacrylamide), 21
poly(ortho esters), 11,295
polymer properties, 279
polymer pro-herbicides, 1

polymeric prodrugs, 33
polymerization, 63
polypeptides, 279
poly[oligo(oxyethylene)methacrylate], 1
pre- and post-column derivatization, 121,129
promoters, 247

quantification, 121

receptor-mediated endocytosis, 157
receptor recycling, 157
receptors, 147
rectum, 241
release mechanisms, 43, 279
release kinetics, 91
rheometry, 73
RIA, 113
routes of administration, 203

sample pretreatment, 129
self-regulated delivery, 295
stimuli-responsive hydrogels, 21
structure–adhesiveness relationships, 225
sudan III, 83
surface erosion, 11
surfactants, 247
suspension polymerization, 51

therapeutic peptides and proteins, 263
thermally reversible hydrogels, 21
transdermal penetration, 63
transdermal peptide delivery, 263
transmucosal peptide absorption, 213